EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	patent adj2 praction$	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/14 12:34
L2	29	patent adj2 practit$	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/14 12:39
L3	14	patent adj2 claim	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/14 12:42
L4	259	patent adj2 language	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/14 12:43
L5	34	search and 4	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/14 12:43

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200577
(c) 2005 Thomson Derwent

12/14/05

Set	Items	Description
S1	849	DEPEND??????(3W)(CLAIM? ? OR CLAUSE? ?)
S2	1067	PATENT? ?(7N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PHRASE? ? OR PARAGRAPH? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR ELEMENT? ? OR BLOCK? ? OR TEXT??? OR MATTER OR CLAUSE? ? OR STATEMENT OR ASSERTION OR DECLARATION)
S3	25	S1:S2(5N)(TRANSFORM??? OR TRANSFORMATION OR CONVERT??? OR CONVERSION OR SPLIT???? OR DIVID??? OR DIVISION OR BREAK???(3W)(UP OR APART) OR FRAGMENT??.??? OR SEPARATES OR SEPARATED OR SEPARATING OR DUPLICAT??? OR REPLICAT??? OR COPY??? OR COPIE??)

File 348:EUROPEAN PATENTS 1978-2005/Nov W03
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051201,UT=20051124
(c) 2005 WIPO/Univentio

Set	Items	Description
S1	60335	DEPEND??????(3W)(CLAIM? ? OR CLAUSE? ?)
S2	82691	PATENT? ?(7N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PHRASE? ? OR PARAGRAPH? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR ELEMENT? ? OR BLOCK? ? OR TEXT??? OR MATTER OR CLAUSE? ? OR STATEMENT OR ASSERTION OR DECLARATION)
S3	1690	S1:S2(5N)(TRANSFORM??? OR TRANSFORMATION OR CONVERT??? OR CONVERSION OR SPLIT???? OR DIVID??? OR DIVISION OR BREAK???(3W)(UP OR APART) OR FRAGMENT????? OR SEPARATES OR SEPARATED OR SEPARATING OR DUPLICAT??? OR REPLICAT??? OR COPY??? OR COPIE??)
S4	103	S3 AND IC=G06F
S5	51	S4 AND AC=US/PR AND AY=(1970:2001)/PR
S6	51	S4 AND AC=US AND AY=1970:2001
S7	51	S4 AND AC=US AND AY=(1970:2001)/PR
S8	59	S4 AND PY=1970:2001
S9	75	S5:S8
S10	75	IDPAT (sorted in duplicate/non-duplicate order)

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File   8:Ei Compendex(R) 1970-2005/Nov W3
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         Comp & dist by NTIS, Intl Copyright All Rights Res
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Set     Items   Description
S1        238   DEPEND??????(3W)(CLAIM? ? OR CLAUSE? ?)
S2       3546   PATENT? ?(7N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PH-
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                ELEMENT? ? OR BLOCK? ? OR TEXT??? OR MATTER OR CLAUSE? ? OR S-
                TATEMENT OR ASSERTION OR DECLARATION)
S3         51   S1:S2(5N)(TRANSFORM??? OR TRANSFORMATION OR CONVERT??? OR -
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                W)(UP OR APART) OR FRAGMENT????? OR SEPARATES OR SEPARATED OR
                SEPARATING OR DUPLICAT??? OR REPLICAT??? OR COPY??? OR COPIE?
                ?)
S4         47   RD (unique items)
S5         44   S4 NOT PY=2002:2005
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File 275:Gale Group Computer DB(TM) 1983-2005/Dec 02
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Dec 02
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Dec 02
         (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Dec 02
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Dec 02
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File 610:Business Wire 1999-2005/Dec 02
         (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Dec 02
         (c) 2005 PR Newswire Association Inc

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S2      33531   PATENT? ?(7N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PH-
             RASE? ? OR PARAGRAPH? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR
             ELEMENT? ? OR BLOCK? ? OR TEXT??? OR MATTER OR CLAUSE? ? OR S-
             TATEMENT OR ASSERTION OR DECLARATION)
S3        448   S1:S2(5N)(TRANSFORM??? OR TRANSFORMATION OR CONVERT??? OR -
             CONVERSION OR SPLIT???? OR DIVID??? OR DIVISION OR BREAK???(3-
             W)(UP OR APART) OR FRAGMENT????? OR SEPARATES OR SEPARATED OR
             SEPARATING OR DUPLICAT??? OR REPLICAT??? OR COPY??? OR COPIE?
             ?)
S4          9   S1(5N)(TRANSFORM??? OR TRANSFORMATION OR CONVERT??? OR CON-
             VERSION OR SPLIT???? OR DIVID??? OR DIVISION OR BREAK???(3W)(-
             UP OR APART) OR FRAGMENT????? OR SEPARATES OR SEPARATED OR SE-
             PARATING OR DUPLICAT??? OR REPLICAT??? OR COPY??? OR COPIE? ?)
S5          8   RD (unique items)
S6      17886   PATENT? ?(3N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PH-
             RASE? ? OR PARAGRAPH? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR
             ELEMENT? ? OR BLOCK? ? OR TEXT??? OR MATTER OR CLAUSE? ? OR S-
             TATEMENT OR ASSERTION OR DECLARATION)
S7        159   S6(5N)(TRANSFORM??? OR TRANSFORMATION OR CONVERT??? OR CON-
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             UP OR APART) OR FRAGMENT????? OR SEPARATES OR SEPARATED OR SE-
             PARATING OR DUPLICAT??? OR REPLICAT??? OR COPY??? OR COPIE? ?)
S8         85   RD (unique items)
S9         54   S8 NOT PD>20010604
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File 348:EUROPEAN PATENTS 1978-2005/Nov W03
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051201,UT=20051124
(c) 2005 WIPO/Univentio

Set	Items	Description
S1	96	(REWRIT???? OR RE()WRIT???? OR ADAPT?????)(7N)(DEPENDENT()-CLAIM? ?)
S2	6	S1 AND IC=G06F

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200577
(c) 2005 Thomson Derwent

Set	Items	Description
S1	0	(REWRIT???? OR RE()WRIT???? OR ADAPT?????)(7N)(DEPENDENT()-CLAIM? ?)

Terms used **patent claim text tree renumber** Found **25,773** of **169,166**

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1 Improvements to graph coloring register allocation

Preston Briggs, Keith D. Cooper, Linda Torczon

May 1994 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 16 Issue 3

Publisher: ACM Press

Full text available: pdf(2.00 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe two improvements to Chaitin-style graph coloring register allocators. The first, optimistic coloring, uses a stronger heuristic to find a k-coloring for the interference graph. The second extends Chaitin's treatment of rematerialization to handle a larger class of values. These techniques are complementary. Optimistic coloring decreases the number of procedures that require spill code and reduces the amount of spill code when sp ...

Keywords: code generation, graph coloring, register allocation

2 Optimizing document format: Two diet plans for fat PDF

Thomas A. Phelps, Robert Wilensky

November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**

Publisher: ACM Press

Full text available: pdf(198.98 KB) Additional Information: full citation, abstract, references, index terms

As Adobe's Portable Document Format has exploded in popularity so too has the number PDF generators, and predictably the quality of generated PDF varies considerably. This paper surveys a range of PDF optimizations for space, and reports the results of a tool that can postprocess existing PDFs to reduce file sizes by 20 to 70% for large classes of PDFs. (Further reduction can often be obtained by recoding images to lower resolutions or with newer compression methods such as JBIG2 or JPEG2000, bu ...

Keywords: PDF, compact PDF, compression, multivalent

3 Scalable feature selection, classification and signature generation for organizing large text databases into hierarchical topic taxonomies

Soumen Chakrabarti, Byron Dom, Rakesh Agrawal, Prabhakar Raghavan

August 1998 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(281.37 KB) Additional Information: full citation, abstract, citings, index terms

We explore how to organize large text databases hierarchically by topic to aid better searching, browsing and filtering. Many corpora, such as internet directories, digital libraries, and patent databases are manually organized into topic hierarchies, also called *taxonomies*. Similar to indices for relational data, taxonomies make search and access

more efficient. However, the exponential growth in the volume of on-line textual information makes it nearly impossible to maintain such taxono ...

4 The string B-tree: a new data structure for string search in external memory and its applications

Paolo Ferragina, Roberto Grossi
March 1999 **Journal of the ACM (JACM)**, Volume 46 Issue 2
Publisher: ACM Press

Full text available: pdf(363.37 KB) Additional Information: full citation, abstract, references, citings, index terms

We introduce a new text-indexing data structure, the String B-Tree, that can be seen as a link between some traditional external-memory and string-matching data structures. In a short phrase, it is a combination of B-trees and Patricia tries for internal-node indices that is made more effective by adding extra pointers to speed up search and update operations. Consequently, the String B-Tree overcomes the theoretical limitations of inverted files, B-trees, prefix B-trees, s ...

Keywords: B-tree, Patricia trie, external-memory data structure, prefix and range search, string searching and sorting, suffix array, suffix tree, text index

5 Extracting sentence segments for text summarization: a machine learning approach

Wesley T. Chuang, Jihoon Yang
July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press

Full text available: pdf(945.26 KB) Additional Information: full citation, abstract, references, citings, index terms

With the proliferation of the Internet and the huge amount of data it transfers, text summarization is becoming more important. We present an approach to the design of an automatic text summarizer that generates a summary by extracting sentence segments. First, sentences are broken into segments by special cue markers. Each segment is represented by a set of predefined features (e.g. location of the segment, average term frequencies of the words occurring in the segment, number of title words ...

Keywords: machine learning, sentence segment extraction, text summarization

6 A patent search and classification system

Leah S. Larkey
August 1999 **Proceedings of the fourth ACM conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(164.37 KB) Additional Information: full citation, references, citings, index terms

Keywords: applications, classification, digital libraries, information retrieval, patents, systems, text categorization

7 Machine learning in automated text categorization

Fabrizio Sebastiani
March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1
Publisher: ACM Press

Full text available: pdf(524.41 KB) Additional Information: full citation, abstract, references, citings, index terms

The automated categorization (or classification) of texts into predefined categories has witnessed a booming interest in the last 10 years, due to the increased availability of documents in digital form and the ensuing need to organize them. In the research community the dominant approach to this problem is based on machine learning techniques: a general inductive process automatically builds a classifier by learning, from

a set of preclassified documents, the characteristics of the categories. ...

Keywords: Machine learning, text categorization, text classification

8 Improving the representation of legal case texts with information extraction methods

Stefanie Brüninghaus, Kevin D. Ashley

May 2001 **Proceedings of the 8th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(188.30 KB) Additional Information: full citation, abstract, references, citings, index terms

The prohibitive cost of assigning indices to textual cases is a major obstacle for the practical use of AI and Law systems supporting reasoning and arguing with cases. While progress has been made toward extracting certain facts from well-structured case texts or classifying case abstracts under Key Number concepts, these methods still do not suffice for the complexity of indexing concepts in CBR systems.

In this paper, we lay out how a better example representation may facilitate cla ...

9 Technique for automatically correcting words in text

Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(6.23 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

10 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Publisher: MIT Press

Full text available: pdf(6.15 MB) Additional Information: full citation

Publisher Site

11 Interactive Editing Systems: Part II

Norman Meyrowitz, Andries van Dam

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(9.17 MB) Additional Information: full citation, references, citings, index terms

12 Data structures for efficient broker implementation

Anthony Tomasic, Luis Gravano, Calvin Lue, Peter Schwarz, Laura Haas

July 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 3

Publisher: ACM Press

Full text available: pdf(316.45 KB) Additional Information: full citation, abstract, references, citings, index terms, review

With the profusion of text databases on the Internet, it is becoming increasingly hard to find the most useful databases for a given query. To attack this problem, several existing and proposed systems employ brokers to direct user queries, using a local database of summary information about the available databases. This summary information must effectively distinguish relevant databases and must be compact while allowing efficient access. We offer evidence that one broker, GlOSS

Keywords: GlOSS, broker architecture, broker performance, distributed information, grid files, partitioned hashing

13 Enhanced hypertext categorization using hyperlinks



Soumen Chakrabarti, Byron Dom, Piotr Indyk

June 1998 **ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data SIGMOD '98**, Volume 27 Issue 2

Publisher: ACM Press

Full text available: pdf(1.91 MB) Additional Information: full citation, abstract, references, citings, index terms

A major challenge in indexing unstructured hypertext databases is to automatically extract meta-data that enables structured search using topic taxonomies, circumvents keyword ambiguity, and improves the quality of search and profile-based routing and filtering. Therefore, an accurate classifier is an essential component of a hypertext database. Hyperlinks pose new problems not addressed in the extensive text classification literature. Links clearly contain high-quality semantic clues that ...

14 Inverted files versus signature files for text indexing



Justin Zobel, Alistair Moffat, Kotagiri Ramamohanarao

December 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(243.62 KB) Additional Information: full citation, abstract, references, citings, index terms

Two well-known indexing methods are inverted files and signature files. We have undertaken a detailed comparison of these two approaches in the context of text indexing, paying particular attention to query evaluation speed and space requirements. We have examined their relative performance using both experimentation and a refined approach to modeling of signature files, and demonstrate that inverted files are distinctly superior to signature files. Not only can inverted files be used to ev ...

Keywords: indexing, inverted files, performance, signature files, text databases, text indexing

15 Information retrieval on the web



Mei Kobayashi, Koichi Takeda

June 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 2

Publisher: ACM Press

Full text available: pdf(213.89 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

Keywords: Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine

16 Tree induction vs. logistic regression: a learning-curve analysis

Claudia Perlich, Foster Provost, Jeffrey S. Simonoff
December 2003 **The Journal of Machine Learning Research**, Volume 4
Publisher: MIT Press

Full text available: pdf(263.37 KB) Additional Information: full citation, abstract, references, citings, index terms

Tree induction and logistic regression are two standard, off-the-shelf methods for building models for classification. We present a large-scale experimental comparison of logistic regression and tree induction, assessing classification accuracy and the quality of rankings based on class-membership probabilities. We use a learning-curve analysis to examine the relationship of these measures to the size of the training set. The results of the study show several things. (1) Contrary to some prior o ...

17 Narratives and Literary Hypertext: Reading and writing fluid Hypertext Narratives
Polle T. Zellweger, Anne Mangen, Paula Newman
June 2002 **Proceedings of the thirteenth ACM conference on Hypertext and hypermedia**
Publisher: ACM Press

Full text available: pdf(417.30 KB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe a new way to present and author hypertext narratives. The Fluid Reader constructs a unified interactive text from the content of multiple nodes and allows a reader to explore alternative paths within it. The Fluid Reader has been available as a hands-on museum exhibit for nearly a year to date, where it has been enjoyed by readers of all ages. Its success has prompted further interest and development in Fluid hypertexts. We have designed and implemented an authoring tool called the F ...

Keywords: authoring, fluid documents, fluid hypertext, fluid reader, fluid writer, hypertext narrative, stretchtext, treetable, visualization

18 Special issue on knowledge representation
Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70
Publisher: ACM Press
Full text available: pdf(13.13 MB) Additional Information: full citation, abstract

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

19 KM-1 (knowledge management): clustering I: Hierarchical document categorization with support vector machines
Lijuan Cai, Thomas Hofmann
November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
Publisher: ACM Press
Full text available: pdf(248.71 KB) Additional Information: full citation, abstract, references, index terms

Automatically categorizing documents into pre-defined topic hierarchies or taxonomies is a crucial step in knowledge and content management. Standard machine learning techniques like Support Vector Machines and related large margin methods have been successfully applied for this task, albeit the fact that they ignore the inter-class relationships. In this paper, we propose a novel hierarchical classification method that generalizes Support Vector Machine learning and that is based on discrimi ...

Keywords: SVM, class relationship, document categorization, hierarchical loss, subspace optimization, taxonomy

20 Algorithms and data structures for flash memories



Eran Gal, Sivan Toledo

June 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 2

Publisher: ACM Press

Full text available: pdf(343.39 KB) Additional Information: full citation, abstract, references, index terms

Flash memory is a type of electrically-erasable programmable read-only memory (EEPROM). Because flash memories are nonvolatile and relatively dense, they are now used to store files and other persistent objects in handheld computers, mobile phones, digital cameras, portable music players, and many other computer systems in which magnetic disks are inappropriate. Flash, like earlier EEPROM devices, suffers from two limitations. First, bits can only be cleared by erasing a large block of memory. S ...

Keywords: EEPROM memory, Flash memory, wear leveling

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Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

File 347:JAPIO Nov 1976-2005/Aug(Updated 051205)
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200601
(c) 2006 Thomson Derwent

Set	Items	Description
S1	1665926	CLAIM? ?
S2	4829	S1(5N)(DEPENDENC??? OR RELATIONSHIP? ? OR REFER??? OR REFERENC??? OR ASSOCIAT???? OR LINK???? OR CONNECTION? ?)
S3	14236	S1(5N)(ORIENT?????? OR ORGANIZ? OR ORGANIS? OR ARRANG?????? OR POSITION??? OR STRUCTUR??? OR MAP???? OR CONFIGUR?)
S4	73965	TREE? ? OR HIERARCH? OR PARENT()CHILD
S5	220	S2:S3 AND S4
S6	52420	(S1 OR PATENT? ?)(5N)(AUTHOR??? OR WRIT???? OR CREAT??? OR GENERAT??? OR CONSTRUCT??? OR FORM OR FORM? ? OR FORMED OR FORMING OR FORMATION OR DEVELOP??? OR BUILD??? OR BUILT OR PRODUC???? OR COMPOS?????)
S7	13	S5 AND S6
S8	51	(S1 OR PATENT? ?)(5N)DRAFT???
S9	3	S2:S3 AND S8
S10	13	S7 OR S9
S11	12087	S1(5N)(GRAPHIC? OR PICTURE? ? OR PICTORIAL OR VISUAL? OR REPRESENT? OR DISPLAY??? OR DEPICT?)
S12	151	S11 AND S4
S13	7	S12 AND S6
S14	4	S13 NOT S10
S15	176	S1(5N)DIAGRAM?
S16	38	S15 AND S6
S17	1669	S1(5N)(ANALYZ? OR ANALYS?)
S18	46	S6 AND S17
S19	7	S18 AND PATENT? ?
S20	126	(S2:S3 OR S8 OR S11 OR S15 OR S17) AND PATENT? ?
S21	79	S20 AND IC=G06F
S22	66	S21 NOT (S10 OR S14 OR S16 OR S19)
S23	20	S22 AND AC=US/PR AND AY=(1970:2001)/PR
S24	20	S22 AND AC=US AND AY=1970:2001
S25	20	S22 AND AC=US AND AY=(1970:2001)/PR
S26	13	S22 AND PY=1970:2001
S27	25	S23:S26
S28	1649	S1(5N)(MATRIX OR MATRICE? ? OR EVALUAT?)
S29	16	S28 AND PATENT? ?
S30	15	S29 NOT (S21 OR S2:S3 OR S8 OR S11 OR S15 OR S17)
S31	70	S1(5N)CHART???
S32	3	S31 AND PATENT? ?
S33	455	S1(5N)CHECK???
S34	4	S33 AND PATENT? ?
S35	3	S34 NOT S32

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File 275:Gale Group Computer DB(TM) 1983-2006/Jan 06
         (c) 2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jan 06
         (c) 2006 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2006/Jan 05
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File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2006/Jan 06
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File 647:CMP  Computer Fulltext 1988-2006/Jan W2
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         (c) 2005 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2006/Jan 05
         (c) 2006 Dialog
File 369:New Scientist 1994-2005/Aug W2
         (c) 2005 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2006/Jan 06
         (c) 2006 Business Wire.
File 613:PR Newswire 1999-2006/Jan 06
         (c) 2006 PR Newswire Association Inc

Set     Items   Description
S1    2068582   CLAIM? ?
S2      52729   S1(5N)(DEPENDENC??? OR RELATIONSHIP? ? OR REFER??? OR REFE-
             RENC??? OR ASSOCIAT???? OR LINK???? OR CONNECTION? ?)
S3      42377   S1(5N)(ORIENT?????? OR ORGANIZ? OR ORGANIS? OR ARRANG??????
              OR POSITION??? OR STRUCTUR??? OR MAP???? OR CONFIGUR?)
S4      74453   S1(5N)(GRAPHIC? OR PICTURE? ? OR PICTORIAL OR VISUAL? OR R-
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              ANALYS? OR MATRIX OR MATRICE? ? OR EVALUAT? OR CHART??? OR C-
             HECK???)
S5     552891   TREE? ? OR HIERARCH? OR PARENT()CHILD
S6     383828   (S1 OR PATENT? ?)(5N)(AUTHOR??? OR DRAFT??? OR WRIT???? OR
             CREAT??? OR GENERAT??? OR CONSTRUCT??? OR FORM OR FORM? ? OR -
             FORMED OR FORMING OR FORMATION OR DEVELOP??? OR BUILD??? OR B-
             UILT OR PRODUC???? OR COMPOS?????)
S7       2010   S1(10N)S5
S8         28   S2:S4(50N)S7(50N)S6
S9         19   RD  (unique items)
S10      2418   S2:S4(50N)PATENT? ?(50N)S6
S11     32175   S1(5N)(GRAPHIC? OR PICTURE? ? OR PICTORIAL OR VISUAL? OR R-
             EPRESENT? OR DISPLAY??? OR DEPICT? OR DIAGRAM??? OR MATRIX OR
             MATRICE? ?)
S12        11   S2:S3(50N)S4(50N)S11(50N)S6(50N)PATENT? ?
S13         8   RD  (unique items)
S14      2814   S11(50N)S6
S15       197   S11(50N)S6(50N)PATENT? ?
S16       117   RD  (unique items)
S17       109   S16 NOT (S9 OR S13)
S18    185490   PATENT? ?(5N)(AUTHOR??? OR DRAFT??? OR WRIT???? OR CREAT???
              OR GENERAT??? OR CONSTRUCT??? OR FORM OR FORM? ? OR FORMED OR
              FORMING OR FORMATION OR DEVELOP??? OR BUILD??? OR BUILT OR P-
             RODUC???? OR COMPOS?????)
```

S19	269	CLAIM? ?(3N)TREE
S20	0	S18 AND S19
S21	1	S19(50N)PATENT? ?
S22	898	S11(30N)PATENT? ?
S23	351	S1(5N)HIERARCH?
S24	7	S23(50N)PATENT? ?
S25	5	RD (unique items)

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Set     Items   Description
S1     289323   CLAIM? ?
S2       5406   S1(5N)(DEPENDENC??? OR RELATIONSHIP? ? OR REFER??? OR REFE-
                RENC??? OR ASSOCIAT???? OR LINK???? OR CONNECTION? ?)
S3       4198   S1(5N)(ORIENT?????? OR ORGANIZ? OR ORGANIS? OR ARRANG??????
                 OR POSITION??? OR STRUCTUR??? OR MAP???? OR CONFIGUR?)
S4       6657   S1(5N)(ANALYZ? OR ANALYS? OR EVALUAT? OR CHART??? OR CHECK-
                ???)
S5       3078   S1(5N)(GRAPHIC? OR PICTURE? ? OR PICTORIAL OR VISUAL? OR R-
                EPRESENT? OR DISPLAY??? OR DEPICT? OR DIAGRAM??? OR MATRIX OR
                MATRICE? ? OR CHART???)
S6     868406   TREE? ? OR HIERARCH? OR PARENT()CHILD
S7      33363   (S1 OR PATENT? ?)(5N)(AUTHOR??? OR DRAFT??? OR WRIT???? OR
                CREAT??? OR GENERAT??? OR CONSTRUCT??? OR FORM OR FORM? ? OR -
                FORMED OR FORMING OR FORMATION OR DEVELOP??? OR BUILD??? OR B-
                UILT OR PRODUC???? OR COMPOS?????)
S8       1798   S2:S5 AND S7
S9         53   S8 AND PATENT? ?
S10        46   RD  (unique items)
S11     12805   PATENT? ?(5N)(AUTHOR??? OR DRAFT??? OR WRIT???? OR CREAT???
                 OR GENERAT??? OR CONSTRUCT??? OR FORM OR FORM? ? OR FORMED OR
                 FORMING OR FORMATION OR DEVELOP??? OR BUILD??? OR BUILT OR P-
                RODUC???? OR COMPOS?????)
S12       719   S11 AND S1
S13      1834   S11(5N)(APPLICATION? ? OR TOOL? ? OR SOFTWARE OR PROGRAM? -
                ?)
S14        77   S1 AND S13
S15        62   RD  (unique items)
S16        58   S15 NOT S10
S17       235   S1(5N)S6
S18         0   S17 AND PATENT? ?
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12/14/05